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**Larceri et al.**

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(54) **DEVICE AND METHOD FOR THE  
PRODUCTION OF A COSMETIC PRODUCT  
FOR MAKE-UP**

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33/44; B29C 43/18; B29C 43/20; B29C  
43/203; B29C 2043/181

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See application file for complete search history.

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(56) **References Cited**

U.S. PATENT DOCUMENTS

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4,403,932 A 9/1983 Ogasawara et al.

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 532 days.

FOREIGN PATENT DOCUMENTS

JP 2012024282 A \* 2/2012  
KR 20110106511 A \* 9/2011 ..... A61K 8/0237

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OTHER PUBLICATIONS

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(57) **ABSTRACT**

A device for accurately dosing cosmetic pastes in multicolor form on a base for the production of a cosmetic product for make-up, comprising a base element adapted to house a base, a mold which moves at least between an opening position and a closing position, said mold having at least one partition which divides a surface thereof facing the base element into at least two compartments, a peripheral element provided with walls which define an opening with shape similar to the perimeter shape of the mold and in which the mold is at least partially housed when it is in said closed position, said peripheral element being provided with at least two channels which run into said opening and protrude into it at least partially, the device providing means adapted to prevent the gluing of said cosmetic paste at least to the wall of the mold facing the base element.

(58) **Field of Classification Search**

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**16 Claims, 6 Drawing Sheets**

